

Subject: Faculty Position in Nanjing University, P.R. China

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The International Institute for Earth System Science (ESSI) (<http://camfer.cnr.berkeley.edu/~cpgis/essi/>), Nanjing University, China, was established on November 19, 2000, with the goal of becoming a host for scientists all over the world. Its missions are to: (1) undertake interdisciplinary research to better understand the functions among different systems on the Earth and human interaction with the environment; (2) promote the application of remote sensing and GIS in Earth sciences; (3) attract and house international scholars to carry out research on global change issues related to China; (4) provide postgraduate education in areas related to global change studies. ESSI includes three types of scientists: permanent, visiting and affiliate. Presently, there are several permanent positions open for competition. The academic level depends on qualification. ESSI offers highly competitive salaries and benefits within China. Successful candidates will teach one course per year in his/her area of expertise and conduct high quality research leading to world-class journal publications in the following fields. Position 1: Land cover and land use change (LCLUC) scientist - with expertise in the aspects of human-environment interactions that characterize biophysical, social and economic causes of LCLUC. Position 2: Ecosystem/land-surface process modeler - use and develop models that describe water and carbon cycle in the soil-plant-atmosphere system and investigate the interactions between terrestrial ecosystems and climate. Use of biophysical parameters derived from remote sensing is strongly encouraged. Position 3: Biogeochemist - study global or regional biogeochemical cycles through the use of soil and long-term climate data in combination with remote sensing and/or isotope measurements. Position 4: Climate change/atmospheric process modeler - A broad range of expertise is sought which compliments the above positions. The expertise includes, but not limited to: (1) regional climate change, (2) atmospheric inversion to obtain regional carbon balance information, (3) impact of climate change scenarios on regional ecosystems, and (4) feedback of ecosystem change on regional climate. Candidates in other related fields of earth system science including environmental impact assessment of global change and GIS are welcome to apply. ESSI currently has 3 permanent researchers, 15 affiliated scientists from overseas. With the current grant level exceeding \$2 million USD, it has a steady plan to grow in the future. Nanjing University (www.nju.edu.cn) is one of the finest universities in China with a research productivity ranked among the top 3. It is located at the center of Nanjing City, 290 km west of Shanghai along the Yangtze River. Nanjing is one of the most livable cities in China. Send a statement of teaching and research interests, a CV, and names and email addresses of three references to Peng Gong, 151 Hilgard Hall, University of California, Berkeley, CA 94720-3110 USA. Email: gong@nature.berkeley.edu.